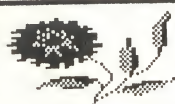


# Catalina Commodore Computer Club, Inc.






OCTOBER



1990



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
CALENDAR made with 	1	2 CCCC MEETING 7 PM - 9:30 PM ST. PETER & PAUL GRAMER HALL <b>Full Moon</b>	3	4	5	6
7	8 Columbus Day (observed)	9 EXECUTIVE BOARD MEETING 7:30 PM at Devon Gables 6150 E. Grant	10	11	12 Columbus Day	13
14	15	16	17 R.I.P. DEADLINE for Newsletter INPUT	18	19	20 -HELP DAY- plus AMIGA SIG 10 AM-2 PM St Peter & Paul Madonna Hall
21	22	23	24 NEWSLETTER PARTY 7 PM St Peter & Paul Madonna Hall	25	26	27
28	29	30 AMIGA SIG Harvill Bldg U of A 7:30 pm	31	<b>CCCC NEWSLETTER POLICY</b> Submissions of articles and artwork are encouraged. Text files should be in sequential ASCII format (either PET or TRUE ASCII is acceptable). Please do not submit files saved in program format. Please remove ALL text formatting commands before submitting. If you desire specific formatting of your text (i.e., underlining, bold, italics, etc.), you may submit a printed copy along with the disk file to show how you would like it to look. Files may be uploaded to the newsletter section of Tom Galloway's BBS, "AmiSouthwest" (292-1378, ZMODEM protocol); or directly to the editor, Leila Joiner, at 327-0540. If you are uploading to the editor, call first to make arrangements for the upload. If you are submitting a file on disk, please give all C64/128 disks to Warren Talbot (574-0732) and all Amiga disks to Leila Joiner (327-0540), 3710 East Edison, Tucson AZ 85716. Short items of interest, notices and classified ads may be phoned in to the editor, Leila Joiner, at 327-0540. The deadline for submissions for the following month will be listed on the calendar page in each month's newsletter. Items submitted after the deadline will be held for the following month's newsletter. Final choice of material is at the discretion of the newsletter editor.		



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## Read Me First for Sept '90 DOM CCCC

The September '90 Disk of the Month presents the BANK ACCOUNTS checkbook system as its major program by Jim Abronski. According to Jim it is not a cut down accounting program. It is: simple, convenient, easy to understand, easy to use, flexible and neat. It will: print instructions, balance accounts, print reports, handle regular payments, print checks, make changes or corrections. This program is compressed as a self-dissolving arc file because of its size. To make ready for use, simply have an empty, formatted disk handy, LOAD the program, and follow the prompts.

**bb file reader** -- is here as usual to provide menu convenient reading of the bb text files; many of the programs have their own instructions.

**Australian c-64** -- puts your computer in down-under mode.

**basic artwork.64** -- is a little basic demo.

**defcon.64** -- gives you the hack tools to start WWIII.

**checkers.128/40** -- a basic 7 game.

**hacker.64** -- learn to find the secret codes.

**wet paint** -- is just the game for Huck Finn. Color monitor.

**bulk eraser.64** -- will really erase a disk.

**certifyadisk.64** -- is a program that was more popular when disks were more expensive and not very good. If you are as cheap as I am, you will run this program on your defective disks, and use them for dead storage. It will lock out defective sectors so that a file copy program will not write to them. A whole disk copy program or a re-format cannot be used because they overwrite everything. Also, all copy programs are not equally sensitive to disk flaws. Warp Speed rejects disks for no observable reason, but Maverick is less discriminating. If you are writing a very important disk, it wouldn't hurt to certify it with this program first. The problem with this BASIC program; it is very slow, about 10 minutes. If any of you can speed it up, I would be happy to publish your version.

**disk>tape>disk.64** -- is a disk/tape copy program. If you still have only one disk drive use this program for back-up to cassette tape.

**pvt calendar.64** -- is a simple-minded calendar program that only needs to know what month you want.

**addloadtodb.64 & addmodtodb.64** -- are programs for the C-64 Basic Doodles column in the August & September CCCC Newsletter. They are on the August disk also.

**read.bas.64** -- is a SEquential file tutorial program. LOAD and Run it. It will LOAD and read the files: text1 and 2 and 3.

## COMMUNITY CORNER

by Leila Joiner, CCCC

The Volunteer Center coordinates volunteer services in Tucson. Each month we will be publishing a list of (somewhat) computer-related volunteer positions available. If you have time and knowledge to spare, please look through this list and contact the Volunteer Center, 877 S. Alvernon between 9 AM and 5 PM or call 327-6207 to offer your help.

**ANIMAL WELFARE** group needs retired public relations volunteer (writing / media experience); four hours/week.

**ONE-ON-ONE** tutor volunteers (reading) needed in GED class, weekday hours.

**SHORT STORY WRITER** - paraplegic - needs volunteer help with typing.

**WORD PROCESSOR** / typing experience needed in volunteer to write grant proposals and cover letters.

**DATA ENTRY** volunteers to enter information for holiday program.

**ON JOB TRAINING:** Agency will train receptionist / office volunteer for three month commitment.

**APPLE MACINTOSH** proficient volunteer for festival office, 5 hrs./week.

**MENTAL HEALTH** program need librarian volunteer to coordinate activities / other volunteers; also computer volunteer, WordPerfect.

If you volunteer for any of the items you see listed in this column, I'd like to hear about your experiences. Please call Leila Joiner at 327-0540.

# October Meeting Auction!!!

Attention hardware hackers!  
Have you had a project in mind?  
This will be a good opportunity to pick up computer equipment.  
Many items will be made available at the auction of surplus Club property.

COMING  
ATTRACTIONS!!!

NOVEMBER MEETING:  
MS-DOS demo with  
Julia Richardson.

DECEMBER MEETING:  
Annual "Swap-n-Sell"

**WELCOME  
NEW MEMBERS!!!**

Dave Abney  
Steve Loumeau  
George Thurman  
Geraldine Disiena  
Vivian Powell



## C64 BASIC DOODLES

by Paul Machula, CCCC

After that huge article last month I am sure you must be ready for something a little easier. Luckily, learning how to program printers is a lot easier than all that looping we did last time. We will learn about this, our last major topic, in a little while, but first I would like to say something about the "match" routine of last month's article.

If you will remember, I specified that the match routine only searched for matches in our first field, [Name-], but, I forgot to mention that the match is also restricted in the fact that it only searches for ONE match. That is, if you have two "Smith, John's" in that field, you will only match the first. This is very common in a lot of database programs. Such a field is often called a "Key" field. It doesn't have to be the first field, but often it is. You don't HAVE to have unique key fields, but generally speaking it's most effective. Nevertheless, if you wish to "match" more than one "string" occurrence, it's fairly easy to do. I'll leave the programming up to you, if you wish to try it. I'll give you the hint that it basically has to do with manipulating the i% value in line 3400. You also must add other lines and possibly change some others. It takes a little thought, but it's not really that difficult.

I would also like to make a few changes in last month's program. They are the following:  
Change 3502 to -- 3502 print"0. View another record":print:print  
Change 3594 to -- 3594 return  
Add the following lines:

```
3542 print:print
3545 print"6. Print this record.":print:print
3552 iffd=0then3000
3553 iffd=5then3600
3555 iffd=6then3700
```

Delete the following lines:

```
3702
3704
3705
```

Basically these changes make our program a little easier for the user. By introducing these changes the user won't have to answer the question about printing for every single record. He can simply choose option 6 [print] if he desires.

I've also decided to modify the write-to-disk routine slightly. Add the following lines:

## LaserAge

*Why settle for LQ when there is NTQ with 35 fonts?*

Near Typeset Quality for documents

created on your personal computer.

LaserAge supports ASCII, GEOS & PostScript.

Laser printing \$1.50/page

The C64 section of the CCCC newsletter is created on a  
GEOS equipped Commodore 64 and PostScript laser printer!

## REU Expansion Bonanza!!!

256K to 512K \$60

256K to 1meg \$105      512K to 1meg \$90

256K to 1.5megs \$140      512K to 1.5 megs \$125

256K to 2megs \$175      512K to 2megs \$160

*JiffyDOS installation \$40*

For more information call:

Warren Talbot at 574-0732

### CATALINA COMMODORE COMPUTER CLUB INCOME STATEMENT

For Month Ending August 31, 1990

REVENUE:	END OF MONTH	YEAR TO DATE
Newsletter Member Fees	\$312.00	\$2,010.00
Newsletter Commercial Ad Fees		30.00
Library Sales Revenue	122.00	850.30
Club Buys	103.00	797.05
Raffles and Auctions	24.00	135.00
Initiation Fees	90.00	270.00
Amiga SIG Revenue	49.00	49.00
Rental Library Revenue		29.00
Other Revenue		0.00
<b>TOTAL REVENUE</b>	<b>\$700.00</b>	<b>\$4,170.35</b>
<b>EXPENSES:</b>		
Newsletter Expenses	283.55	2,282.90
Library Expenses	23.02	262.52
Rental Library Expenses		0.00
Club Buy Expenses	150.00	432.00
Raffle and Auction Expenses		0.00
Meeting Expenses		360.00
Bulletin Board Expenses		184.37
Membership Expenses		37.50
SIG Expenses		0.00
Saturday Help Day Expenses		0.00
Depreciation Expense	9.54	38.18
Administrative Expenses	42.07	62.26
Other Misc		0.00
<b>TOTAL EXPENSES</b>	<b>\$508.68</b>	<b>\$3,659.73</b>
<b>PROFIT OR (LOSS)</b>	<b>\$191.32</b>	<b>\$510.62</b>



```
9000 open15,8,15,"s0:datastorage"
9002 close15
9005 open2,8,2,"datastorage,s,w"
```

These lines will scratch the old "datastorage" file and then write a new one (containing your new changes). Entering these lines prevents conflicts in operating the drive.

You will also have to enter the following lines:

```
4050 ifc$=chr$(13)then4070
4055 bs$=bs+fc$
```

This is an important change. It is a nasty BUG that should not have been in our load data file from disk routine. (The two lines were inadvertently interchanged.)

Now, returning to our major topic this time, let's learn how to communicate with printers. In some ways it is similar to "talking" to the disk drive. You use the command OPEN to begin with. After OPEN, you type a "logical file" number. Any number is good, but 4 is most common. After this you type a comma, then another number -- the "device number." The device number for most printers is 4. Sometimes people change their device number on their printers to 5, or some other number, but 4 is usual. After the device number you type another comma, and then type a "secondary address," if any. Since we wish to print using upper/lower case alphanumerics, you should use the number 7. The usual OPEN command, then, is: OPEN4,4,7. More about the OPEN command can be found in the User Manual, page 122.

After OPENing the printer the usual command to print data is PRINT#4. The 4 is the "logical file" number again. It has to match the number in the OPEN statement. After printing data, you should CLOSE the printer. The command CLOSE4 is usual.

Enter the following lines into our program "addmodtodb" [don't forget the changes above either].

```
3720 print#4,"Name- ";da$(0,i)
3722 print#4,"Address- ";da$(1,i)
3724 print#4,"City, State- ";da$(2,i)
3726 print#4,"Zipcode- ";da$(3,i)
3728 print#4,"Owed- ";da$(4,i)
3730 close4
3740 goto3000
```

That's rather straightforward isn't it? I don't think you will have any trouble understanding what's going on in those lines. Remember, these lines are part of the "Print record" loop. Consequently, only the current record on the screen will be printed out.

Now, what if you wanted to print your entire file? No sweat; the following lines will suffice. They are very similar to the print routine above, but this time we loop through the entire data array. Nifty!

```
5999 rem printout entire file
6000 open4,4,7
6002 i%=0
6004 print#4,"Name- ";da$(0,i)
6006 print#4,"Address- ";da$(1,i)
6008 print#4,"City, State- ";da$(2,i)
6010 print#4,"Zipcode- ";da$(3,i)
6012 print#4,"Owed- ";da$(4,i)
6020 ifda$(0,i%+1)=" "then close4:goto100
6030 i%=i%+1
6040 print#4," "
6050 goto6004
```

The essential lines in this routine are 6030, where the loop is incremented; 6020, to jump out of the loop; and 6050, which actually creates the loop. You can also see that in line 6040 I made the printer print a blank space on a line. This was to create a blank line between records in the printout. This makes things neater.

So, now we have quite a nice little program to manipulate data we enter into our computer. Not only can we manipulate it, we can store it on disk; we can load it; and we can even print it out.

We need one other little subroutine to make our program tidier, however. In line 124 we provided the Main Menu option of exiting from our program gracefully. In line 160 we make our program jump to line 7000 to execute that option. So, now enter the following lines into our program.:

```
6999 rem exit program
7000 sys 64738
```

Be aware that this is QUITE a drastic command. If you look up SYS in the user manual you will see that it sends the computer to a built-in machine language routine. In this case the routine at 64738 is the cold-start routine. What will happen is that your computer will literally act as if you had just turned it on. All variables, machine language routines stored in RAM, etc., even the program ITSELF, will be totally wiped out. It's a nice way to exit our program, but if you don't like the idea of wiping out everything, you can just put the command END at 7000. You will exit from the program, but it will still be in the computer.

WARNING -- Before executing the command SYS64738, after you've first entered our changes into our program, make sure you first store the program on disk. It would be NO FUN typing the routines at 3702, 6000, and 7000 in all over again!

Well, that's it. The program as it now stands can be a very useful one, and you will have also learned a lot if you've kept up with this series. On the disk-of-the-month you can find this program as "doodlebase". Next month we will review briefly some of the things we've learned, and also begin exploring a few other ideas. Good luck!



## WRITE ON

by Mike O'Neill, CCCC

The Grandchildren's Newsletter came off well. True, the grammar was far from perfect, it would have taken hours to add all the words peculiar to their ages to the Spell Checker, and the punctuation left a bit to be desired. But when those kids, any of the five of them, have to type up a paper for the '90-'91 school year, The Write Stuff commands are within reach. The best lesson learned . . . the method for finding what is needed in the manual. They all picked up on the easy-identification of TWS functions in the book. Go ahead, ask them on what page Search and Replace is in the TWS manual, or Auto-indent of paragraphs. They can find all the commands they will need. Best part though, I had a great time.

I am grateful for the questions received from CCCC newsletter readers this month. It is good to know that there are live readers out there.

\*\*\*

When using Mail Merge, you must use TWS version 1. Also, the external data file should be saved with no hyphen, then the filename. To designate the data file to be merged with the primary document, there must be a reverse (CTRL1)x0:filename on the first line of that primary text. The very best way to learn the procedure is to load BB Writer, Version 1, and load the Mail Merge file from it. You will notice that at the top of the file is a reverse x0:addresses. Someone I know read that reverse x as an asterisk, and for some reason, his merge didn't work. I could use some new glasses, too.

\*\*\*

Another question was received pertaining to loading more than one file at a time. With cursor at the end of the document already on the screen, CTRL l(el) will bring either Merge-, or Append- to the Menu line. Type the name of the file you want to add and it will be loaded at the cursor's location. The only difficulty you may have is to remember the name of the file you want. For practice, load to the screen the file with only your letterhead. Put your cursor at the end of the text and load another file with CTRL l(el) the filename. To get the correct file name, why don't you view the directory of the disk containing your file with a CTRL \$. Then you can see if the file begins with a hyphen. If not, you will have to delete the hyphen from the Merge- or Append-command.

\*\*\*

Page numbers are easily printed with your text by placing a reverse # in a heading or footing. CTRL 2 he5; Page (reverse) #. (The five means five lines from the top of the page. Be sure you have a top margin larger than that number so it has a place to print.) If you put the header instruction on the very first line of your text, it will print your header on the first page. Place some text first, and the header will start on page two. Do you want to print it on the right? Well, add a reverse r, for right alignment, in front of

your header text and it will print next to the right margin. If you want to center the header, start the header text with a reverse c.

A month ago I mentioned using the Search and Replace feature to good advantage. For example, replacing all the one spaces between sentences with two spaces. Ted Seitz suggested that I refer to the Batch Search & Replace in the 128 program as a very useful tool. It is used by typing, on a separate line, a series of things to search for and replace with an @ sign in between each; i.e., search phrase @ replace phrase @ next search phrase @ replace phrase @ . . . no spaces in the line. Check it out in your manual on page 27 and give it a try. I don't have a 128, so I admit to very little reference to them in harmony with what I know. But Ted and I will be happy to hear of your success with this.

It has been a great summer in Tucson. It rained, beautiful rain. No doubt you have all had your vacations. Well, it's my turn. LATER!!

### CCCC prices for The Write Stuff

TWS 64	\$10
TWS 128	15
64 Spell	6
128 Spell	6
BB Talker	5
64 or 128 Overlay	2
BB Templates	8
Compu-Libs + CLW	3
Reading Teacher	3
Replacement Manual for 64 or 128 TWS	4

The above prices are offered for  
CCCC members only.  
Non-members add \$2  
for each item.

**A vacancy exists as  
Club Treasurer.  
We are looking for  
someone to volunteer.**



## MS-DOS COMPUTING

by J.K. Richardson, CCCC

One of my very favorite languages has got to be Icon. Icon is a high level, general purpose language that was developed right here at our own U of A, in the computer science department, by Ralph Griswold, Dave Hansen and Tim Korb. The development of the language was funded by a NSF grant, so Icon is available in the public domain. It is written in C, and source code is available.

The language is very good for processing character data, such as text which consists of strings of characters, and is most applicable to problems such as those involving text analysis, document preparation, editing, and formatting text. It supports many operations such as pattern matching and string scanning. This might sound a little like your favorite word processor or spell checker!

Icon is different from many languages (such as BASIC and Pascal) in that it does not have go to's or labels. It does have many built in operations which allow it to work so well with text. The built in operations are divided into six categories which I will describe briefly since they are the basis of the language: functions, prefix operations, infix operations, control structures, keywords, and other operations. The arguments in functions are evaluated from left to right, and include operations such as "abs(n)" which produces the absolute value of n, "copy(x)" which produces a copy of x where x could be a list of characters, and "reverse(s)" which produces a reversal of some character string s. There are many other functions also. Prefix operations are evaluated before the operation is performed, so that, for example, "\*n" produces the size of n. Infix operations are those like most of us are accustomed to, such as "n + m", but in Icon there are more than four dozen of these operations, most of which are especially suited for character processing. Control structures are somewhat similar to the if...then kind of statements that may be familiar to you through BASIC. Some of the Icon control structures are

"while...do...", "suspend...", and "not...". Keywords are designated by the character '&'. For example, the operation "&host" produces identification of the computer it is being run on. Finally, other operations are a brief assortment of specialized operations such as "i to j by k" which produces the sequence of integers from i to j in increments of k.

An Icon program is composed of declarations and expressions. A declaration is information which is needed before the program can execute, while expressions are the executable part of the program. A program is a collection of procedures, where each procedure is typically a logical block that performs some logical task.

Icon is available for MS-DOS, Amiga, Atari, Macintosh, OS/2 and many other computers. If you are interested in this language, it can be obtained in several ways: order it from ICON PROJECT, DEPT OF COMPUTER SCIENCE, GOULD-SIMPSON BUILDING, U OF A, TUCSON, 85721 or call 621-4049 for more ordering information, \*\*or\*\* there is a BBS number for downloading many versions at 621-2283 \*\*or\*\* you can get a copy from me. If you order it from the Icon Project, you become a registered user and get on their mailing list for their newsletters, which are quite informative. Last I knew, the cost was in the vicinity of \$15 for a copy charge, or you could take in the required number of blank disks for your version and exchange for the program disks. Call them first before you go over.

Finally, most of the information in this month's column came from the book The Icon Programming Language by Ralph E. and Marge T. Griswold, Prentice Hall, Inc. 1983. There may be a new version by now.





Special thanks to Diana Tinsley for providing us with this current list of Tucsons Electronic Bulletin Boards (BBS).

Remember these are local calls within Tucson and free public access. Diana will be updating this list for us on a monthly basis.

ALT Key	795-0161
Ami-Southwest	292-1378
Astral Plane	575-8925
Armageddon	298-6280
Big V	293-3390
CJ's Revenge	790-8143
Cloud 9	750-6435
Coyote's Gamehouse	290-8599
Cynosure	742-0247
Elite	742-7319
Night Club	297-6695
Rebel's Outpost	750-8246
The Stables	889-0332
Western Connection	293-1241

## Computer Telecommunications

by Warren Talbot, CCCC

Communications Terminals are programs like any other; when loaded into your computers memory, cause your computer to communicate through the modem. In this way, a modem actually returns keypresses to the computer; if you do not have a modem connected you will not read what you are typing when a communications terminal is loaded into your machine. There are many software communications terminals in the public domain with varying features. Your needs will determine the terminal that you will use.

Modems that are Hayes compatible are becoming widely available. Because terminal software is intended to be an interface to the modem, Hayes compatible modems allow you a greater choice of terminal programs. Another advantage of Hayes compatibility is the ability to type commands directly to the modem from your terminal. In this way you can determine that your modem and terminal are operating correctly before you attempt to dial out and connect to a bulletin board. With a modem such as the Commodore 1670 you type "at" commands directly to the modem. These "at" commands are common in the Hayes command set, and mean to the modem as "attention". When you are in the terminal mode and you send "at" followed by a press of the "return" key, the modem will respond with "OK" if everything is right.

With the telephone line plugged into your modem, type "atdt" then press return; you should hear a dialtone from the modems speaker. Press the spacebar; the modem will hang up, and respond "NO CARRIER". The procedure when using computer telecommunications is always the same: You will be dialing another computer; the numbers in Diana's BBS list will all dial a computer. The computer that you call will answer and immediately send a high pitched whistle that the calling computer will recognize as a carrier. When your computer "hears" this whistle it will send it's own, and for a second the two will "get in step". When they do, the speakers will mute, and the modem will send a connect indication to the computer which will be read to your screen as "CONNECT". The procedure for this is to type the "atdt" command followed by the telephone number; this will be "atdt2921378" to call Ami-Southwest for example.

Next month I will continue this article with the procedure for "logging on" to a local BBS.

### CCCC Disk Of The Month

The Disk Of The Month is offered for \$1 each, including back copies!

Choose from any disks in the Club Library, the copy fee is only \$3!



*The C.C.C.C. Meetings are at STS Peter & Paul Catholic Church, located 4 blocks North of Speedway on Campbell. The General Meeting is the first Tuesday of every month, 7-9PM, Saturday Help Days occur the third Saturday, 10AM - 2PM.*



## QUANTUM TO PROVIDE CUSTOM ONLINE SERVICE OFFERED WITH IBM'S NEW PERSONAL SYSTEM/1<sup>(TM)</sup> COMPUTER

-downloaded from Q-Link

*QuantumLink has been a tremendous resource for Commodore users and is now expanding to include the IBM. GEOS for the IBM has recently been released, and Berkeleys GeoWorks will provide a powerful new interface for users that wish to take advantage of Q-Links support.*

"Promenade (tm)," an exclusive education and entertainment service, customized to enhance the IBM PS/1 (tm), meets the needs of PS/1 owners and their families.

Vienna, VA -- Quantum Computer Services, Inc., introduced Promenade, an online service that will be offered with the IBM PS/1 computer. The announcement of the PS/1 marks the first time that a home computer has been introduced with a built-in modem and online services to provide families immediate access to live, interactive education and entertainment services.

### EDUCATION SERVICES FOR THE FAMILY TO USE FROM THE CONVENIENCE OF HOME

"We developed Promenade based on what consumers said they were looking for in a new computer for the home according to IBM's research," said Steve Case, Executive Vice President of Quantum Computer Services. The results revealed that educational benefits were highly valued. To meet this need, professional teachers will provide live online classes to help family members learn how to use and expand the PS/1 computer. Personal and professional growth opportunities are made available subjects such as foreign languages, accounting, gourmet cuisine and more.

Additionally, a complete online encyclopedia enables users to tap into continually updated reference information. Nightly homework help tutoring sessions are available on many subjects, including English, algebra and history.

### HELPING FAMILIES MAKE THE MOST OF THEIR NEW PS/1

Family members can discover new software in Promenade libraries that feature more than 7,000 software titles. PS/1 owners can scan the software descriptions in the libraries, then in a simple, single-step procedure, download or transfer these software programs to their PS/1, for just pennies, where they can be used immediately.

To offer help with new software, Promenade provides online meeting places, or forums, where PS/1 owners can communicate directly with computing experts and leading software publishers. Forums offer

computing tips and fast answers to individual questions from PS/1 owners.

Multi-player games on Promenade feature stimulating graphics and animation, and offer a human touch, since users play against other people, not just their machines. Families can share their hobbies with others from around the country in special interest clubs including sports genealogy and science fiction. Nightly events feature comedy routines, trivia contests, game shows and more.

### DESIGNED EXCLUSIVELY FOR THE PS/1, PROMENADE IS EASY TO USE

Promenade's easy to use services are accessed through graphic, mouse controlled software developed by Quantum especially for the IBM PS/1 computer. The Promenade interface makes it easy for all family members to use the services, without dealing with the frustrations of complicated commands and functions. Yet the software is advanced enough to satisfy experienced users of online services, according to Case. Promenade's interactive education and entertainment services will complement the services offered by the PRODIGY service, also included with the PS/1 computer.

### BUILT IN MODEM RECOGNIZES HOME-CENTERED LIFESTYLES OF THE NINETIES

IBM is the first major hardware manufacturer to recognize the growing importance of linking the home computer with the outside world. By including a modem as a standard feature, rather than an expensive option, IBM has set a new standard for computer manufacturers seeking to meet the needs of home-centered lifestyles of the nineties, said Case of Quantum.

Quantum Computer Services, Inc., founded in 1985, provides three online services for the consumer market: America Online, PC-Link. and Q-Link. Each service provides unique software to maximize ease of use, and contains a variety of communications, information, entertainment, computer enhancement and educational services. Quantum has established strategic business relationships with a number of companies including Tandy Corporation, Apple Computer, and Commodore International.

*(continued next page)*



(from previous page)

### PROMENADE FACT SHEET

Designed Exclusively for IBM(R) Personal System/1 Computers, Promenade maximizes the ease-of-use features built in to the computer.

#### - Ideal for Novice and Experienced Users

Graphical User Interface, co-developed by GeoWorks and Quantum features movable windows with symbols and pull-down menus. Users do not need to learn complicated commands, yet powerful, advanced features are available for more experienced family members.

#### - Dynamic and Informative

Live, Scheduled Events range from classroom instruction and game shows to conferences with experts and nightly homework help tutoring sessions.

#### - Education Reference Materials

An Up-to-date, Online Encyclopedia enables family members to tap in to continually updated reference information. Online Classes are offered by professional instructors on a variety of subjects: English, accounting, gourmet cuisine, foreign languages, and more.

#### - Individualized Instruction

Homework Help is also available on many subjects to help students in the privacy and convenience of their own home. SAT Preparation/College Center offers assistance to teenage students who need to learn more about prospective colleges and universities, or need skilled guidance with their SAT preparation.

#### - Computing Support & Enhancement

##### - How To Use The PS/1

Online classes provide new PS/1 owners with convenient, inexpensive training on many aspects of their new computer. These live classes are offered by PS/1 experts and experienced trainers.

### ***Rental Library***

Membership for the Rental Library  
is a one-time \$10 fee.

The average rental fee is about \$2 a month.

### ***Beginners GEOS SIG***

A basic beginners GEOS SIG will be begin on  
Saturday Help Day October 20, 12:00 noon - 2PM.

### ***January 1991 Meeting on Jan. 2***

The January 1991 meeting will be held on  
Wednesday January 2.

#### - Finding New Software

Software Libraries feature more than 7000 software titles, ranging from education and finance to games and word processing. Users scan the software descriptions, then in a simple, single-step procedure, "download" or transfer these free or low cost programs to their PS/1 where they can be used immediately.

#### - Help With New Software

Hardware & Software Forums are online meeting places where PS/1 owners can communicate directly with leading software publishers. Forums offer message boards where questions are answered quickly, live conferences with company executives, the latest product information, and computing tips.

### ENTERTAINMENT

#### - Games

Multi-Player Games on Promenade enable family members to play against other people, not just their machines. This "human touch" keeps online games more exciting and challenging. Promenade software produces stimulating graphics and animation.

-:-

Quantum Computer Services, Inc., founded in 1985, is one of the nation's fastest-growing providers of online services to personal computer owners.

### OUR SERVICES

Promenade(SM), the education and entertainment online service for IBM(R) Personal System/1(TM) owners, was introduced in June 1990. The Promenade software is offered with IBM's new PS/1(TM) and was co-developed by Quantum and GeoWorks of Berkeley, California.

America Online(SM) was introduced in October 1989 for the Macintosh(R) and Apple(R) II computers, with a DOS(R) version to be available in Fall 1990. America Online features an easy-to-use, yet highly sophisticated custom interface.

PC-Link(R), a joint effort with Tandy Corporation was launched in August 1988. PC-Link features the easy-to-use DeskMate(R) interface, and works on all PC compatibles.

Q-Link(R) was introduced in November 1985 through a partnership with Commodore Business Machines, and is designed for owners of Commodore 64 and 128 computers.

Quantum services feature communications (electronic mail, real-time chat, message boards); computer



hardware/software questions); entertainment (multi-player nationwide games); news and financial information; educational services (electronic encyclopedia, online classes); and transactions (make airline reservations, order products, transmit securities orders to discount brokers).

### QUANTUM'S SUCCESS FORMULA

#### - Customized Software Interfaces

Quantum's online services feature sophisticated, custom software interfaces designed to exploit the unique characteristics of the computer used to access the service. As a result, Quantum services are intuitive and easy to use.

#### - Strategic Relationships

Quantum has formed marketing and development relationships with leading hardware manufacturers, including IBM, Tandy Corporation, Apple Computer and Commodore.

#### - Interactivity

Quantum provides online services that integrate interactive communications with computing support, entertainment and learning. A full schedule of nightly

online conferences, real-time chat activities, late night talk shows, online classes, and nationwide, multi-player games is programmed and managed by Quantum.

#### - Progressive, Affordable Pricing

Quantum's services have an affordable pricing structure that, along with exceptional ease-of-use and creative third-party distribution arrangements, promises to broaden the market for online services. Quantum offers the lowest connect rates of any full-service network.

### INDUSTRY ACHIEVEMENT

The Videotext Industry Association's 1989 Outstanding Achievement Award was awarded to Quantum for "pioneering efforts, leadership, and measurable success."

Quantum received Compute! Magazine's 1989 Choice Award for Telecommunications for "shedding light on the murky waters of electronic communications."

**D. J.'s** COMPUTER & ELECTRONICS  
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Don't fret over what  
you've missed,  
For everyday can  
be special,  
If that's what you  
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# Amiga News

## Amiga SIC Meeting Woods Memorial Library August 25, 1990

by Macey Taylor, CCCC

The last of the Woods Library meetings. Henceforth, the Saturday meetings will be on the third Saturday (along with the CCCC Help Day), at St. Peter and Paul's Church (Madonna Hall) on the corner of Adams and Campbell. This change will not only allow a regular fixed time, 10:00 am to 12:45 pm, for the meeting, which had become highly variable at the library, but also will enable us to exchange money for goods (disk sales, fund-raising, member sales, etc.). The U of A meetings will continue at 7:30 pm on the last Tuesday of the month in room 211 of the Harvill Building.

We now have an Amiga monitor (1084D) for our A-500. We wish to thank Dan Bellemar for bringing his so many times and the CCCC Board of Directors for buying the new monitor.

Joel announced that Virginia Polytechnic Institute had switched to Amigas (from Macs). All students are required to buy an Amiga now.

He also mentioned that the Video Toaster was a big hit at the recent SIGGRAPH show, a meeting of professional graphics computer users. The price of \$1595 includes the LightWave 3-D software.

Further, the University of Lowell hi-res graphics board will be sold by CBM. This is a 24-bit board, which runs UNIX.

Maxis, maker of Sim City, has recently issued Sim Earth. If a city isn't enough, well...

Dennis McCormick reiterated his new telephone number (292-2275)

and said that there would be a raffle of PageStream 1.8.2 and a Carmen San Diego at the September 15 meeting.

The 2.0 ROMs may become available in January. As a developer, Mike Lawrence has acquired a 3000.

There was discussion of a program called Spice and its problems with printing. Suggestions were to use the smallest type and to get a copy of the program written by Mike Lawrence to improve it (available in the SIG library).

The Pima Arts Channel now has a new 2500, to make a total of four Amigas at work there. Mike showed us the new Disney software, which he says is easy to master if you are familiar with Deluxe Paint III. He showed some very nice demos and said that it works fine with the Easy! graphics tablet.

It was reported that the CBM demos at Software City were well-attended and reasonably well-performed by Jim Morton, working out of Denver. The 3000 will not be available by mail order.

Lynn Doose described briefly the Image Processing for Teachers course held at the U of AZ this summer. Apple donated 24 Mac IIs (\$9000-\$10,000 each) for the teachers to take back to their schools at the end of the course. Then he showed us, via a program he had written in C, what they were doing with the Macs.

Mike Lawrence has written a book on Modula 2, to be published by Avant-Garde Software. Title: Modula 2 and the Amiga.

Howard Wooten demonstrated a German public domain music program called Noisemaker 2.0. It uses raw samples instead of IFF files, so it has better sound. There

are at least 100 sampledisks to accompany this program. It does not multitask; it does offer more instrument control than MED.

## Disk-of-the-Month August 1990

*Mandelbrot:* According to Joel, this is the second-best program of its type. He likes Mandelblitz better.

*Chaos:* Strange Attractors 2.

*Accel500:* Diagram and directions for 500 speed-up.

*Utilities:* AutoCLI (like POPCLI); DFC update; DirUtil, MoveSys (closes all reassigns); and ChipRip (shows windows from RAM).

*Text:* How to write device drivers.

*FastFact:* Solar system pictures and text files.

*Financial:* Calculator for mortgages and other loans.

*Pipeline:* Game in which you try to build an oil pipeline. This has been played a jillion times by the 10 and 11 year olds in my house.

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## CLASSIFIED ADS

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### FOR SALE:

**AMIGA 1000. \$300.**  
Call Bob Hassan at 744- 2668.

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## Amiga SIG Meeting Madonna Hall September 15, 1990

by Leila Joiner, CCCC

### RAFFLES:

*PageStream 1.82* (\$5/ticket) was won by Andy Mahan, who was heard to exclaim, "Oh no! It's the first thing I ever won in my life!" Our thanks to SoftLogik Publishing Corporation for contributing the software.

*Where in the USA is Carmen San Diego* (50¢/ticket, 3/\$1) was won by Fred Rentzel. Our thanks to Mary Beth Coyne, Broderbund representative, who contributed the software on her last visit to CCCC.

### NEXT MONTH'S RAFFLE:

A Swiss game, "just a" GIGANOID; CLImate, CLI utility; DeluxeVideo (original version - upgrade to DVIII for \$25); "Amiga for Beginners," book.

### ANNOUNCEMENTS:

*Hewlett-Packard* has a new DeskJet model, the DJ500, which is faster and has more font capabilities than previous models. The big news is a non-water-soluble ink. Owners of the original DeskJet can upgrade for about \$225; DeskJet Plus, for about \$125. Retail price is about \$800-\$900.

Ken Weaver and Nancy Dippold from *MicroShop* distributed reprints of an article from Consumer Report's "Consumer Guide," which listed the Amiga 3000 as Best Buy in computers over \$3,000. The article was glowing, to say the least, and the technical coverage was very specific.

*Gold Disk* is offering a special user group member discount of 50% on all software (see insert for more details). The vote to choose a "Dealer of Record" (per their request) was delayed, pending more input from members.

### NEW BUSINESS:

Joel Halbert and Dennis McCormick led the discussion on setting up

pricing for library disks and DOM's. The final vote decided in favor of:

### Disk-of-the-Month:

\$3/members, \$5/non-members

### Commercial or donated demos:

\$1 copying fee (use your own disk)

Membership dues are \$15/year (to cover newsletter costs), plus a one-time \$10 initiation fee. New members receive a free "New Member Disk" from Dennis McCormick, our PD Librarian. Our goals include a second disk drive and more memory expansion for the Club's A-500.

Dennis's business report stated that the Club presently has about 210 members and around \$2700 in funds, of which about \$1800 has to be set aside for projected newsletter costs.

### DEMOS:

This was an exceptional meeting. Nearly every kind of Amiga was represented: Don Woodward brought in his A1000, along with a color splitter, the new Perfect Sound, and Animation Station. Howard Wooten brought in the Roland MT-32 synthesizer for a MIDI demo on the Club's A-500. Ken Weaver and Nancy Dippold brought in an A2500 with AT Bridgeboard and an A3000 with AMAX II.

### Animation Station - Don Woodward

This program comes with a program disk, tutorial disk and manual. Utilities include a splicer/splitter, a viewer/player and a configuration file to tailor it to your specific system. You can break an anim file into individual pictures to edit in your favorite paint program, then recombine them. The storyboard feature shows miniaturized separate frames in sequence -- 36 frames on one screen, scrollable for larger animations. Edit features, like timing control, can be applied to one frame or all frames. Time is in "jiffies" (1/60th of a second). Both background and foreground pictures can be loaded, then merged with all

frames or selected frames. The storyboard is automatically updated with this feature. *Animation Station* works in all resolutions, including HAM, and includes special effects for HAM mode (I forgot to ask Don if it has overscan). Brushes can be animated by setting "key" frames designating placement on x,y, and z axes. Tweening creates the in-between frames, and non-linear movement (i.e., acceleration/deceleration) can be accomplished by altering the number of "tweened" frames or by adjusting timing on individual frames. Frames can be cut, copied, spliced or deleted anywhere in an anim. Selected frames can be played backwards or forwards. Animations can be merged in front or in back of other animations. Don was not sure if animated brushes (like DPaintIII) were supported. Sound for each frame is supported by 4 channels: 2 for background, and 2 for special effects, using 8SVX samples. Don treated us to an anim he created with a wizard, an ogre and a dragon, which he had fantasized over for years and was finally able to realize using *Animation Station*. The program lists for about \$99. Don purchased it for about \$75-\$80.

We ran out of time, but maybe Don would consent to bring in the color splitter and Perfect Sound another time.

### Bars 'n' Pipes - Howard Wooten

The *Bars 'n' Pipes* demo disk is available from our PD Library for a \$1 copying fee. It includes both demos and docs and is a fully functional version without the SAVE feature. *Bars 'n' Pipes*, by Blue Ribbon Bakery, utilizes graphic editing screens as opposed to standard music notation, which makes it easier for non-musicians to use. Standard music notation features may be added to future upgrades. Because of the new standardized MIDI (Musical Instrument Digital Interface) file format, MIDI files created on other computers, such as Macintosh, Atari and IBM, can be imported. Internal



Amiga sounds (instruments) have the same format as DeluxeMusic. The basis of the program is a "pipeline" whose input is MIDI-in and whose output is MIDI-out. "Tools" are effects that can be added at either end of the pipeline; i.e., quantize, echo. Two disks of 30 tools each are now available. Computer Shopper says it's probably the most flexible music program available. Howard feels the appearance is less than professional, and would feel uncomfortable going into a recording studio with a program that uses a purple and yellow saxophone for a pointer, but he likes the overall features of the program, and it has all the professional devices. A proposed professional version should look better. Howard played us a MIDI file he created for a recording session, using the Roland MT-32 synthesizer for the voices. The MT-32 can play 16 voices at once, contains a full sampled drum machine of 32 voices, and digital reverb. It is a popular MIDI synthesizer that combines a sampled attack with a synthesized sound to create very realistic instruments. A used MT-32 can be purchased for about \$300-\$350. *Bars 'n' Pipes* can mix MIDI sounds with internal Amiga sounds; list price is \$280.

#### Bridgeboard/AMAX - Ken Weaver

The Amiga 2500 with the AT Bridgeboard uses a standard MS-DOS drive, but it should be an "intelligent" drive, one that can differentiate between formats electronically as opposed to mechanically. So far Ken's Bridgeboard has run everything with no problems. The screen emulates CGA in color mode. Commodore ships MS-DOS 3.3 with the Bridgeboard. The board takes up the top 2 megs of memory (address space). All tools can be shared by both the Amiga and MS-DOS sides (including the mouse). Programs like "CrossDOS" let you use a drive for either Amiga or MS-DOS formats. Additional parallel and serial cards can be added to the MS-DOS side, or the standard Amiga ports can be shared. Both GVP and CBM have Ethernet cards for the Amiga, so networking is no problem. Current AT cards do not have an external drive port, whereas the older ones did. A lot of cards are being redesigned for the A3000 because of size limitations. You need Janus 2.0, which can either be ordered directly from Commodore, or you can have your present disks updated by a local dealer. You can have multitasking on the MS-DOS side (i.e., multiple

windows open), and it will run Windows 3.0. The major complaint is the cost of the board, but CBM may be lowering prices. Ken recently had a bad experience with Disk Mechanic (Forest Lake) -- it wiped out two hard drives. His favorite method is to create three partitions: WB (system), Programs and Data. That way you usually only have to back up the Data partition.

*AMAX-II* on the A3000 supports the Enhanced Chip Set, but does not presently emulate the MAC II. If you have extra RAM it will configure it the same as the Mac -- as one block. You must purchase the Mac ROMs and a Mac compatible drive to use *AMAX-II*. The Mac screen works with the flicker fixer, but only with a multisync monitor. In general programs run faster on the Amiga with *AMAX* than on stock Mac's. *AMAX-II PLUS* will support MIDI and will use the Amiga drive to read and write Mac disks. The proposed release date is November 1. *AMAX-II* costs about \$225 plus hardware (about \$450 total).

Ken likes the Amiga best because you can have all the major systems rolled up into one computer -- UNIX, MS-DOS, Macintosh (even Apple II) -- and, of course, Amiga.

## COMPUTER Y's

## MicroShop

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**Including European Software!**

**PageStream 2.0 Now Available!**

**Ask Us About The Video Toaster & HAM-E**

## AMIGA REPAIRS

**290-6947**





**AMAX-II****by Macey Taylor, CCCC**

After one lengthy session, I can say that I would do it again (spend \$55 on the upgrade), but I'm not very happy that it cost so much for what is, to me, so little. Since my primary reason for having bought this device in the first place was to be able to transfer Mac text files to the Amiga for DTP via Pagestream and to send my articles in Mac format to other editors, the upgrade's simplification and reliability in text file transfer is worth almost any price to me -- although improvement of such an originally wretched operation should have been a free upgrade! I wish it had arrived two days earlier, for I just spent considerable time with the original, transferring several files for my TESOL newsletter. It took only a few minutes with the new file transfer program.

The hard disk access capability included appears to be of no use to me. ReadySoft declines to offer any help or information about accessing a Seagate HD mounted via the Bridgeboard. Some day, I may invest in an Amiga HD and controller if the Mac continues to make inroads in the world of education -- that's cheaper than buying and outfitting a real Mac. Mac's really need HDs, even when you can attach four drives instead of the real Mac limitation of two. Mac programs seem to be bigger than even MS-DOS programs.

The choices for memory set-up have been changed significantly. So far, I don't like the changes, for I haven't figured out the magic combination (typical ReadySoft documentation; i.e., much left for the creative mind to experiment with) to get a big enough RAMdisk and available memory to be able to run my own (or another) HyperCard program, which ran fine under the old A-MAX. So, I haven't heard it talk yet (I have digitized speech in my stacks) because I seem to have mislaid all but one Hypercard disk, and that is faulty.

The other new features are given as support for the ECS, 2.0, and MMUs on processor accelerators, none of which I have. I still can't run Macromind Director because my only reason for using such an over-priced (\$1150 retail), terribly clunky program is that it does color. A-MAX can't have color until Apple comes out with the new system with color for the grey Macs. I hope that upgrade won't cost \$55.00!!!

**Special Offer from GOLD DISK**

August 23, 1990

Gold Disk is starting their User Group support program by offering our members the opportunity to purchase Gold Disk products at **HALF PRICE**.

In addition, if we order more than 5 units of one title, they will include one **FREE** piece of that title for our User Group Library.

AND, if we would like to recommend a local dealer as our dealer of record, for his support of Gold Disk, he will receive a check directly from Gold Disk every time we send in an order.

**PLUS...** If we send an order **POSTMARKED BEFORE 9/30/90**, they will also send us a video tape explaining desk top video and Showmaker.

The following products are listed:

	<u>List Price</u>	<u>User Group Price</u>
Showmaker	\$395.00	\$197.50
Professional Page 1.3	\$295.00	\$147.50
Professional Draw 2.0	\$199.95	\$ 99.98
Professional Page Templates	\$ 59.95	\$ 29.98
Structured Clip Art	\$ 59.95	\$ 29.98
Outline Fonts	\$199.95	\$ 99.98
Gold Disk Type	\$ 59.95	\$ 29.98
PageSetter II	\$129.95	\$ 64.98
Advantage 1.1	\$199.95	\$ 99.98
DeskTop Budget	\$ 69.95	\$ 34.98
Gold Disk Office	\$295.00	\$147.50
ComicSetter	\$ 69.95	\$ 34.98
MovieSetter	\$ 69.95	\$ 34.98
Design 3D	\$ 69.95	\$ 34.98
ComicArt - Funny Figures	\$ 34.95	\$ 17.58
ComicArt - Super Heroes	\$ 34.95	\$ 17.58
ComicArt - Science Fiction	\$ 34.95	\$ 17.58
MovieClips - General	\$ 34.95	\$ 17.58

If you would like to purchase any of the above, make your check or money order payable to CCCC, Inc. and mail or deliver to:

Leila Joiner  
3710 East Edison  
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Please indicate what item you are ordering and in what amount.

**IF POSSIBLE, PLEASE GET YOUR ORDER TO ME  
BEFORE SEPTEMBER 30, SO WE CAN TAKE  
ADVANTAGE OF THE FREE VIDEO OFFER!!**



# Piracy and Its Costs

reprinted from VAUX Newsletter, July 1990

In 1975, Piracy was not a problem.

In 1980, Piracy was not a problem.

In 1985, Piracy was not much of a problem.

In 1990, Piracy is epidemic and out of control.

## What Changed?

What changed is the ratio between the ability of the software vendor to market his product versus the ability of the pirate to spread the vendor's product illegally.

In the dawn of personal computing, piracy was an interpersonal thing. You literally had to be in physical proximity to transfer a whopping 320K disk. Few people had modems. Modems were slow. Few people had hard drives.

Now, nearly every small town in America has at least one BBS running with hundreds of megabytes of disk and one or more 9600 (or faster) baud modems. Utilities such as LHWARP can compress an entire disk quickly and then reproduce it bit for bit a thousand miles away in seconds.

The ability to pirate has far outstripped the ability to market.

How do we estimate our losses? We can't. But here's some indications...

(1) CygnusEd Professional Release 2 - regarded as one of the premier editing systems on any computer - sales have slipped to near zero. Yet, support calls from NEW USERS are increasing. Can't be explained by legitimate sales.

(2) We occasionally receive tips and information about pirate BBS systems. Sometimes we even get log in accounts and passwords from users of these systems who, for whatever reason, wish to inform us about the illegal theft of our products. We pursued one BBS recently which was located in a tiny town in Kentucky. The BBS system running there kept download counts. CygnusEd Professional Release 2 with all documentation was downloaded 478 times.

(The BBS operator, who clearly knew of the illegal nature of his efforts, is now being investigated by several government agencies. Yes... we press charges.)

We bust our asses. We sacrifice a lot. We are not rich. We are not nameless or faceless.

We deserve common respect.



HERE IS THE ARTIST'S SKETCH OF THE GUY  
WHOS BEEN STEALING THE SOFTWARE.

*Perry Kivolowitz, ASDG Inc.*



## Dinosaur Discovery Kit

by Macey Taylor, CCCC

This is one of the neatest programs yet to come out for the younger set. First Byte has produced a really interesting and interactive educational tool for young children with this program. The eight-year-old here loves it. It can be enjoyed by younger children who are beginning readers.

Dinosaur Discovery Kit has three activity types: Coloring Book, Dinosaur Match, and Story Maker. In the first, children color dinosaur scenes by choosing colors from a row of crayons (3 rows of four colors each) in response to a spoken prompt word. The matching game provides practice in visual discrimination skills, playing alone against the computer or against a friend, with various options within the game. The best one is Story Maker, in which children create stories of their own by choosing graphic icons to represent objects and actions, with size and color changes as options. Each new picture has a sentence with the last word missing. Choosing the word completes the sentence and adds the appropriate picture. Three story starters are included, and data disks are available.

Print options include printing the outlines of the coloring book pictures (to be colored by hand) and printing text only, picture only, picture and story, or as a storybook with a separate page for each scene and sentence. Other options include seeing just the text of the story and hearing just about everything spoken, singly or in sequence. The synthesized speech is weird, unlike any I ever heard before. It sounds as if the speaker is coming from the depths of the ocean (with water in his apparatus), but it is intelligible.

This program is well worth the list price of \$39.95; it is, of course, available for much less. A good Christmas present for the 4-8 set.

### NEW PD LIBRARY DISKS!!

The following disks will be added to our PD Library sometime in October:

Ventura Amiga User's Exchange DOM, June '90  
Ventura Amiga User's Exchange DOM, July '90  
V.A.U.X. Game Disk #13  
V.A.U.X. Game Disk #14  
Easy1 3 Demo Disk (Anakin Research, Inc.)  
Easy1 Art Disk  
Migraph Hand-Scanner/Touch-UP! Demo Disk  
Scene Generator Demo Disk



### Disk-of-the-Month September 1990

*TIFF2IFF* - Converts TIFF image file to IFF ILBM files.

*SID* - System Info Display v3.00 allows you to peek into the Amiga Operating System ("OS") and take snapshots of the current status.

*PSFont* - Several new PageStream Fonts.

*Text* - Minix.txt: description of new UNIX clone with full source code; AmigaUserGroups.txt: Listing of Amiga User groups by state; EduPrices.txt: changes to Commodore's Education Purchase Program.

*FontManager* - Lets you view your fonts in different styles and sizes.

*Streets&Alleys* - Two more solitaire games.

*DMouse* - "Yet another" mouse-intuition input handler enhancer.

*Utilities* - ViewSer: a very nasty hardware specific hack that will display what is coming from the modem.; RecoverII: designed to allow you to examine deleted files and attempt to recover them; FloatIcon - ReplaceTool: for managing icons under the Workbench.



## **CCCC, Inc. Board of Directors**

**Warren Talbot, President.....574-0732**  
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**Frank Prievo, Member-at-Large.....574-0145**  
**Kenney Williamson, Member-at-Large.....750-8164**

## **General Meeting Schedule**

**TUESDAY GENERAL MEETING, October 2, 7 PM**  
**at St Peter & Paul Gramer Hall, 1946 East Adams**  
**EXECUTIVE BOARD MEETING, Tuesday, October 9, 7:30 PM**  
**at Devon Gables Home, 6150 E Grant Road**  
**SATURDAY HELP DAY, October 20, 10 AM - 2 PM**  
**at St Peter & Paul Madonna Hall**  
**Southeast Corner of Campbell & Adams**

## **Amiga SIG Meeting Schedule**

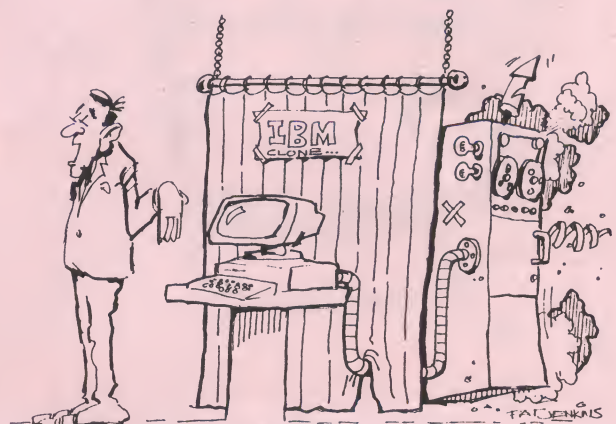
**Tuesday, September 25 at Harvill Bldg, U of A, 7:30 PM**  
**Saturday, October 20 at Madonna Hall, 10:00 AM**  
**Tuesday, October 30 at Harvill Bldg, U of A, 7:30 PM**

## **CARTOONS**

**by CCCC Member Pat Jenkins**

### **CCCC, Inc. Newsletter Staff**

Leila Joiner, Editor  
 Warren Talbot, C64/128 Layout  
 Leila Joiner, Amiga Layout  
Columnists:  
 Mike O'Neill      Bernie Joiner  
 Paul Machula      Julia Richardson  
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...YES LADIES AND GENTLEMEN, THIS MACHINE CAN DO ANYTHING THE AMIGA CAN DO!



# CCCC, INC. TUCSON, ARIZONA

Catalina Commodore Computer Club, Inc.

NEWSLETTER VOLUME 8, NUMBER 10: OCTOBER 1990

\* GENERAL MEETING: October 2, 1990  
St. Peter & Paul Gramer Hall  
1946 East Adams  
7 PM - Out NLT 9:30 PM

\* SATURDAY HELP DAY: October 20, 1990  
St. Peter & Paul Madonna Hall  
Southeast Corner Campbell & Adams  
10 AM - 2 PM

\* EXECUTIVE BOARD MEETING  
All Members Welcome  
October 9, 1990 - 7:30 PM  
Devon Gables Home  
6150 E Grant Road

## Membership Renewal/Address Change

ATTN: Membership Chairman, P.O. Box 32548, Tucson, AZ 85751-2548

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